

20000322.qrp v01_n768.qrl.20000322

Date: Wed, 22 Mar 2000 19:03:12 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1768

QRP-L Digest 1768

Topics covered in this issue include:

- 1) [66229] Re: SMK-1: Update for Tuesday, Mar. 21st
by "Bradfield, Brad V." <BBradfield@spectrapoint.com>
- 2) [66230] Slow loading of NORCAL web page
by Sam Billingsley <SBillingsley@usaninc.com>
- 3) [66231] WANTED PQQET PQ0181
by "C. Lamar Derk" <n3at@noln.com>
- 4) [66232] Most Enjoyed QRP Construction Project
by Joseph Trombino Jr <joebarb@wilmington.net>
- 5) [66233] Re: Garfield/American Morse
by Oscar A Hoyt <k5ubs@juno.com>
- 6) [66234] W1FB "NOVICE" ANTENNA NOTEBOOK...??
by "Andy GM0NWI" <Gm0nwi@tesco.net>
- 7) [66235] OK,OK,OK, I GOT IT Thanks Guys
by RangerSF5@aol.com
- 8) [66236] FOX Qs1's
by Skip <longbeard@cybernet1.com>
- 9) [66237] Re: 30 Meter QRPp DX
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 10) [66238] MODIFYING SMALL WONDER LABS DSW RIGS TO RECEIVE SSB - Again
by "Bruce Prior" <n7rr@hotmail.com>
- 11) [66239] Re: most enjoyed QRP construction project
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 12) [66240] Atlanticon
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 13) [66241] Millennium DXCC/QRP !
by W0rw@aol.com
- 14) [66242] FOX Qs1's
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 15) [66243] FT:
by Norm Melick <henmel@worldnet.att.net>
- 16) [66244] Re: [66214] RE: Garfield
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 17) [66245] Not exactly QRP
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 18) [66246] FOX
by "mail" <richqrp@home.com>
- 19) [66247] FS: Rainbow Tuner with SWR Indicator in box

- by "Kevin E. Gray" <k8su@clover.net>
- 20) [66248] Fox
by Wayne Alexander <walexan@ipa.net>
- 21) [66249] Re: Most Enjoyed QRP Construction Project
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 22) [66250] [FOX] Apology to Roy
by Dan Copeland <kf0ov@alltel.net>
- 23) [66251] WA6HHQ (and Ham Radio) gets 5 min of fame on ZDTV
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 24) [66252] WA6HHQ on ZDTV - Date Correction
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 25) [66253] Technical Workshops at Atlanticon - another one!
by "George Heron N2APB" <n2apb@erols.com>
- 26) [66254] Re: [Elecraft] WA6HHQ (and Ham Radio) gets 5 min of fame on ZDTV
by "K7FD-N7SG" <cqdx@teleport.com>
- 27) [66255] Need call info G0SXC
by N10DL@aol.com
- 28) [66256] dx on 40mtrs
by hamjoel@juno.com
- 29) [66257] QRP Projects The Most Fun I Have Had In Ham Radio
by Ronnie Davis <ke4vpn@yahoo.com>
- 30) [66258] Keycaps and LED's, List 2
by Roger Hightower <n7kt@worldnet.att.net>
- 31) [66259] FOX: Final Tally ???
by kb9iua@juno.com
- 32) [66260] Summary of Atlanticon "extras"
by "George Heron N2APB" <n2apb@erols.com>
- 33) [66261] Power metering with the AD8307
by Steve Bauder <sbauder@win.bright.net>
- 34) [66262] Re: dx on 40mtrs
by RangerSF5@aol.com
- 35) [66263] I1MMR with a TT2
by lenny wintfeld <w2bvh@home.com>
- 36) [66264] Some fun and games.
by Ed Loranger <we6w@qsl.net>
- 37) [66265] Re: Icom IC706MKIIG on QRP
by Bob Patten <n4bp@bc.seflin.org>
- 38) [66266] Dayton QRP Banquet - a can't miss event!
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 39) [66267] special request for indirect help
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 40) [66268] Re: [FOX] Apology to Roy
by k1vp@lawson-philpot.com
- 41) [66269] 10 meter DX
by "Francis Callahan" <colcal@srv.net>
- 42) [66270] My first kit....most memorable
by tom whalen <wb5qyt@eFortress.com>
- 43) [66271] 706 on QRP es QRPp / Attenuator

- by John R Kirby <n3aaz-qrp@juno.com>
- 44) [66272] Re: HB: Low Phase Noise VFO
by "Lau, Zack, W1VT" <zlau@arrl.org>
- 45) [66273] W1FB "NOVICE" ANTENNA NOTEBOOK..follow-up..
by "Andy GM0NWI" <Gm0nwi@tesco.net>
- 46) [66274] Want to buy Advanced test book
by Kyle Lusk <klusk@bhm vending.com>
- 47) [66275] Re: WA6HHQ (and Ham Radio) gets 5 min of fame on ZDTV
by "Dan W. Dooley" <dandooley@pipeline.com>
- 48) [66276] RE: 10 meter DX
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
- 49) [66277] RE: Single chip CW Rx
by Smith Harold <SmithH@tce.com>
- 50) [66278] Hate to Ask
by "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
- 51) [66279] FOX Qsl's
by Bcieslak@ra.rockwell.com
- 52) [66280] antenna project
by Bruce Rattray <rattray@gpfn.sk.ca>
- 53) [66281] RE: Most Enjoyed QRP Construction Project
by "AI2Q Alex" <ai2q@ispchannel.com>
- 54) [66282] antenna project (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 55) [66283] tubes
by "NA6E" <na6e@qsl.net>
- 56) [66284] RE: My first kit....most memorable
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
- 57) [66285] RE: Hate to Ask
by "Ted Roycraft" <roycraft@research.att.com>
- 58) [66286] RE: 706 on QRP es QRPp / Attenuator
by Karl Kanalz <KKanalz@excel.com>
- 59) [66287] RE: [NoGaQRP] Organizing a Homebrew Project... a point
by "Ed Tanton" <n4xy@att.net>
- 60) [66288] FS: ARRL Gen Class Lic. Manual
by "Rod, N0RC" <n0rc@qsl.net>
- 61) [66289] Re: tubes
by Wb8siw@aol.com
- 62) [66290] XCVR: NC20 with hot Q3 cured, RX is alive
by Allan G Taylor <agtaylor@llnl.gov>
- 63) [66291] RE: My first kit....most memorable
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 64) [66292] PSK31 DX'ing with mW
by Jim Hale <kj5tf@yahoo.com>
- 65) [66293] Re: tubes
by "Jay Bromley" <w5jay@alltel.net>
- 66) [66294] Re: My first kit....most memorable
by mulveyr@iname.com
- 67) [66295] RE: LDG QRP tuners

by Michael Melland <badger@vbe.com>
68) [66296] FS:Oak Hills Classic 2040
by arrowhead1@characterlink.net (Ted Danchi)
69) [66297] Atlanticon
by Bob Kellogg <ae4ic@nr.infi.net>
70) [66298] MobilePro 770
by dashermhnja@earthlink.net
71) [66299] Hate to Ask
by Bcieslak@ra.rockwell.com
72) [66300] RE: Hate to Ask
by Fairbairn Bob-C12509 <C12509@NAmerica.mot.com>
73) [66301] HB: 4.9152 crystal filters
by "Dieter \ (Diz\) Gentzow WB8QYY" <wb8qyy@cinci.rr.com>
74) [66302] Re: My first kit....most memorable
by Bob Patten <n4bp@bc.seflin.org>
75) [66303] Re: My first kit....most memorable
by "Mark Hogan" <mhogan@email.msn.com>
76) [66304] Re: My first kit....most memorable
by "Arthur G. Silvers" <ags@ieee.org>
77) [66305] Re: tubes
by af852@rgfn.epcc.edu (William R Colbert)
78) [66306] Keycaps & LED's - Last list
by Roger Hightower <n7kt@worldnet.att.net>
79) [66307] Question about windings on the FB-40
by RangerSF5@aol.com
80) [66308] Re: antenna project
by Bruce Rattray <rattray@gpfn.sk.ca>
81) [66309] Re: Question about windings on the FB-40
by "George Heron N2APB" <n2apb@erols.com>
82) [66310] FOX: THANKS TO ALL
by "Franco, Nicholas J" <franco@bnl.gov>

Date: Tue, 21 Mar 2000 16:22:58 -0600
From: "Bradfield, Brad V." <BBradfield@spectrapoint.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [66229] Re: SMK-1: Update for Tuesday, Mar. 21st
Message-ID: <8D9A3E0C6F42D1118EDC0060081D3FFA023D894C@ucusmail.spectrapoint.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

> -----Original Message-----
> From: Bradfield, Brad V.=20

```
> Sent: Tuesday, March 21, 2000 4:20 PM  

> To: 'ki6ds@dospalos.org'  

> Subject: Re: SMK-1: Update for Tuesday, Mar. 21st  

>=20  

>=20  

> < Dave built the prototype without any magnification at all.  

> Yeah Doug, but Dave's younger than both of us.  

>=20  

> 72's es 73's,  

>=20  

> Brad, W5CGH  

>=20  

> =  

=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=  

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>=20  

> Brad Bradfield, PE W5CGH Test Staff Engineer  

> (ex WB=D8CGH) SpectraPoint Wireless LLC  

>=20  

> Real men talk with their fingers!  

>=20  

> NORTEX NORCAL QRP-L #377  

> SMIRK #4906 QRP-ARCI # ARS #72  

> Austin QRP Club #i Alaska QRP Club #350  

>=20
```

Date: Tue, 21 Mar 2000 17:27:57 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrpl_Submit (E-mail)" <qrpl@Lehigh.EDU>
Subject: [66230] Slow loading of NORCAL web page
Message-ID: <66FCE0D1DF76D311913800805F6D0FA384A5C9@mailserver1.usan.com>
MIME-Version: 1.0
Content-Type: text/plain

I've been accessing the NORCAL web page with the following URL

<http://www.fix.net/~jparker/norcal.html>

It seems must longer to load that previously (ie a few months ago?). Has there been a change to slow it down? I'm using a high speed access via direct internet firewall at work for this. All other qrp club pages seems to come up normally.

Sam AE4GX

Date: Tue, 21 Mar 2000 17:53:20 -0500
From: "C. Lamar Derk" <n3at@no1n.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [66231] WANTED POQET PQ0181
Message-ID: <38D7FD60.F4FA53C8@no1n.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For anyone who have upgraded to the
Poqet Plus and would like to sell their PQ0181-
please e-mail me

72,

Jerry N4EO
jmbrown@edge.net

Date: Tue, 21 Mar 2000 17:53:06 -0500
From: Joseph Trombino Jr <joebarb@wilmington.net>
To: QRP-L@LEHIGH.EDU
Subject: [66232] Most Enjoyed QRP Construction Project
Message-ID: <3.0.6.32.20000321175306.007ec2e0@wilmington.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello Gang:

My most enjoyable and memorable QRP construction was a two-step process. I decided that after many years of Appliance Operating (although I had built many QRP kits, etc over the years) that I would build a homebrew superhet receiver as the first stage of building a completely homebrew station.

This inspiration came about after drooling over "The Progressive Receiver" designed by W7ZOI and K5IRK. This project was featured in the November 1981 issue of QST. After doing the Happy Dance for several days when I

finally got the receiver up and running I decided to convert it to a full-blown transceiver. Without going into the gory details (I shamelessly plagiarized existing circuits) and got the transceiver up and running with a whopping 2.5W output on 20 meters. It is the best performing rig I have in the shack next to the OMNI VI/3 and the soon-to-be-built K2.

This was a tremendous learning experience for me and a humbling one at that considering that I had earned my Extra ticket in the 70's and thought that I was pretty much up on things (boy, was I wrong:-). I quickly learned that such things as smooth and noiseless QSK switching, VFO stability, no-chirp CW, etc, etc were non-trivial considerations. I spent countless hours of troubleshooting/optimizing to get the rig to where it is today...but all the time was well spent in terms of what I learned along the way.

And to think that todays kit designers offer features such as DDS VFO, built-in keyer, freq announcer, etc into a rig that fits in the palm of your hand!!!

It's great to see all the kit building/homebrewing being done by QRP'ers and my hat is off to all those folks who spend hours and hours getting these kits ready to go into the mail.

Enough rambling and back into my lurking hideout.

72, Joe W2KJ (North Carolina)

Date: Tue, 21 Mar 2000 16:54:52 -0600
From: Oscar A Hoyt <k5ubs@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [66233] Re: Garfield/American Morse
Message-ID: <20000321.165454.-447351.0.k5ubs@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

The message from Jim, WB8SIW brought back memoies. When I hired on at Western Union 1962, they still had some Morse Ops. I have one of the Gill selectors that tuned on a light to let the op know which line was calling. Also I had to qualify useing the Ameican Morse to become a W & R tech.

Oscar Hoyt, ham since '55, SOC # 3o3 303, ARRL, QCWA,
QRP-L 1733, NORCAL

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 21 Mar 2000 23:26:29 -0000
From: "Andy GM0NWI" <Gm0nwi@tesco.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [66234] W1FB "NOVICE" ANTENNA NOTEBOOK...??
Message-ID: <000b01bf938d\$20260e60\$ad4e8cd4@q1n3l2>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Hi Folks....

Just to say a HUGE THANKYOU to one and all on this wonderful creation of a list here on the "superhighway", for all the help that I am currently under going with my quest for a replacement signal meter that I am desperatley in need of for my beloved "dead" HW8...

Together we will raise and covercome....!!

Hopefully there will soon be a solution to this problem from someone here on the list... I live in hope as the "qrp fraternity" has moved me so much in their willingness to help...I truly beleive we will win soon..

THANKS GUY'S... love you all dearly (Yuk..!)

On another note... I today received a present from Mr Goin's (Mike W5YJX) thanks man...in a publication I'd been trying to track down for ages now....

BUT there is one other book that I would truly LOVE to find for my reading collection... it has a SIMILAIR name to a book already published by the same author, but is different in content.....

I already have in my possesion a copy of the YELLOW book "W1FB's Antenna Notebook"..... BUT would love to have the other book of similar nature by Doug, named "W1FB's Novice Antenna Notebook", of which I have recently seen pictures of in past edition's of QST....

This book is colored in shades of yellow/white... with I think a picture of some antenna parts on the front cover.... my guess is that it would go for around

10

from the ARRL or at a local hamfest...

The order no. for the ARRL then was 3088 and copyright was dated 1988.

Wonder if anyone on this list either has the book or know's of a DEFINATE place that I can find a copy of it... have tried some of the shop's on-line to no avail...

Guy'sI would as always appreciate any help on this one from my compadriates "over the pond" if they so desire... I have many problems trying to track this sort of material down here in the UK...

Wonder what you could do for me on this one.... as always e-mail to the address below with any findings that occur...

72s de Andy gm0nwi@tesco.net
GM0NWI
"Long Live QRP...!"
GQRP No.9576

Date: Tue, 21 Mar 2000 18:44:17 EST
From: RangerSF5@aol.com
To: qrp-1@lehigh.edu
Subject: [66235] OK,OK,OK, I GOT IT Thanks Guys
Message-ID: <32.2a783a8.26096351@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,
Thanks to everyone who responded to my question about UTC.
The problem was ME!!
I didn't know that UTC was related to the added hour in the summer and the minus hour in the winter.
Thats where I was getting lost on the 1 hour.
Well now I have another problem.A FOX invited me over at 0030 UTC.
Now I can sure go for the dinner but this is the last fox hunt.
Ummmmmmmmmmmm well I think there are enough hunter out there tonight.
Plus i'm really starved<GRIN>
When my NJ FIREBALL-40 arrives,

I'll let you Guys track me down running the 40 mils.
Again thanks for all who responded
Bob
WA2HOQip <tm>

Date: Wed, 22 Mar 2000 16:56:29 -0700
From: Skip <longbeard@cybernet1.com>
To: qrp-l@Lehigh.edu
Subject: [66236] FOX Qsl's
Message-ID: <3.0.6.32.20000322165629.007b2810@mail.cybernet1.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Gang,

I seem to remember before Fox season Started, or so, that there was someone acting as a Qsl manager for the foxes Am I right?

Info please ... after all I did manage to work a few of them.

Thanks for your help.

Skip, K=D8YWD
Stevensville, Montana DN26
SOC #38 QRP-C #146, QRP-L #2003, CQC #616, Zombie #641 =20
=20
=20

Date: Tue, 21 Mar 2000 18:03:37 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [66237] Re: 30 Meter QRPp DX
Message-ID: <002a01bf9392\$13c5c660\$f2763ed8@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

As mentioned, 30m is great for close-in work and DX. You just have to

choose the time of day.

Last week I was off on vacation and was able to work skywave into Dallas (I'm in Fort Worth 50 miles away) around local noon time and work into eastern European in the late evening. It has long been known for its NVIS potential and DX performance.

As a side note, Saturday night I was camping out at Cleburne State Park just a little south of Fort Worth and had a very memorial QSO. In the dark I strung up my end-fed halfwave antenna into the short cedar trees. I could only find substantial branches up about 8 foot high. I went into my tent, fired up my PRC-38S, tuned up the antenna with my simple tuner circuit and LED indicator. Then I immediately heard W7QQQ calling CQ from Mesa, Arizona. I called him and he came right back. We chatted for 32 minutes on a crowded 30m with very strong signals the whole time. He was using a 1 tube transmitter at 20W and an end-fed halfwave antenna much like mine. We had a lot to talk about. This kind of experience makes taking my QRP gear camping well worth the effort. It never ceases to amaze me how well a little wire strung in the shrubs and a few Watts can perform.

I've been active on the band since the day it was authorized for the U.S. The first contact I made on the band the very day it opened was with South Africa. I was using 10W and a 1/4 wavelength monopole. It is also an interesting band for utility monitoring. I've often heard number stations (Spy) on 30m. One in particular was CE02 on 10.125 MHz. It would come up at 45 minutes past the hour like clockwork for years. I've heard the Navy pop up on the band on occasion. I use to hear a lot of phone activity from the VKs and ZLs but not too much anymore. Anyway, it is an interesting band. Enjoy!

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://home.swbell.net/aa5tb>

Date: Tue, 21 Mar 2000 16:08:28 PST
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [66238] MODIFYING SMALL WONDER LABS DSW RIGS TO RECEIVE SSB - Again
Message-ID: <20000322000828.37030.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

This is a slightly modified version of my earlier posting, correcting what I

said about the receive sideband of the DSW-30. I just ordered a DSW-80 which I will build and modify for LSB reception and use for backpacking this coming summer. (Psssst.... Rumor has it that Dave Benson will make new announcement about *\$%^&#*#\$... SOMETHING EXCITING at Atlanticon on Saturday. No, it's not about the FSK31 rig which is already on the Small Wonder Labs website. And don't tell anyone I told you!)

I stated mistakenly in my rave review (CQ Amateur Radio, December, 1999, p. 40) of the Small Wonder Labs DSW rigs, "The offset of all DSW rigs is set for receiving on lower sideband." In fact, only the DSW-20 and the DSW-30 receive on the lower sideband. The 80, 40-meter versions receive on upper sideband. On the DSW-30, this feature makes no difference, since it is not a phone band. However, the design sideband is the reverse of customary sideband usage for the 80, 40 and 20 meter DSW rigs.

CHANGING SIDEBANDS

After some experimentation and consultation with the DSW designer, Dave Benson, NN1G, I offer the following very simple modification which reverses the sideband on the DSW rigs. This could potentially be very important to a DSW owner in a remote area who needs to contact an SSB station in an emergency. As I noted in my review, the rigs cover all of their respective amateur bands and more, but if you can't understand the SSB stations on 80, 40 and 20 meters, the extra coverage is not very useful. What is needed is to convert the DSW-80 and DSW-40 to receive LSB and to convert the DSW-20 to receive USB. These conversions can be accomplished inexpensively by adding a single fixed inductor. Since the DSW-30 and DSW-40 both have an IF of 4 MHz, the modification is the same. Similarly, the DSW-20 and DSW-80 both have a 5182-kHz IF. The identical added inductor reverses the sideband of those rigs in opposite directions, however.

The only reason I can imagine that a DSW-40 owner might want to give this modification a miss is that the Canadian time-signal station CHU on 7335 kHz transmits its French and English voice signals on USB. WWV and WWVH on 10 and 15 MHz transmit on AM, so the modification will not change your ability to copy its signals on the DSW-30 and DSW-20. In addition, the modification broadens the audio bandpass a bit, so CW reception is slightly less selective. With the modification, SSB audio reception sounds somewhat pinched, but it is quite understandable. In each case, all you have to do is to place an inductor in parallel with the trimmer capacitor C14.

INDUCTOR VALUES

All DSW-40 and DSW-30 kits include a grey 70-pF trimmer for C14. Early model DSW-20 and DSW-80 kits have the same grey 70-pF trimmer. In current model DSW-20 and DSW-80 kits, however, C14 is a black 90-pF C14 trimmer. Check the color before choosing your inductor. Here are the appropriate inductor values:

DSW-40: 15-uH inductor

DSW-30: 15-uH inductor

(Note: since 30-m is not a phone band, there s no point in modifying the DSW-30 for USB reception.)

DSW-80 with a grey 70-pF trimmer capacitor C14: 8.2-uH inductor

DSW-80 with a black 90-pF trimmer capacitor C14: 6.8-uH inductor

DSW-20 with a grey 70-pF trimmer capacitor C14: 8.2-uH inductor

DSW-20 with a black 90-pF trimmer capacitor C14: 6.8-uH inductor

MODIFICATION PROCEDURE

To install the inductor in parallel with C14, solder it to the two C14 pads on the bottom of the circuit board. The neatest way is to use a surface-mount inductor. I had a tubular inductor with axial leads available which I was able to bend around and tack onto the circuit board.

After soldering on the inductor, re-align the offset pitch by adjusting C14 to match the sidetone. You obtain the offset pitch through your earphones by applying power while holding down the front-panel keyer button. Then depress your key or keyer paddle to give you the comparison sidetone pitch. This modification will change the 80 and 40-m rigs to receive LSB and the 30 and 20-m rigs to receive USB.

INDUCTOR SOURCES

For the surface-mount option, the 70-UMC1812 inductors for the proper values from Mouser would do fine. Dave Benson recommends the following Delevan surface-mount inductors, which are available from Digi-Key:

15 uH: DN12153JCT

8.2 uH: DN12822JCT

6.8 uH: DN12682JCT

The tubular axial-lead 70-IM2 inductors available from Mouser are bulkier and a bit trickier to solder beneath the circuit-board.

Now you can use your DSW rig for cross-mode QSO s. Enjoy!

72,

Bruce Prior, N7RR

853 Alder Street

Blaine, Washington USA

n7rr@arrl.net

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 21 Mar 2000 19:19:04 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [66239] Re: most enjoyed QRP construction project
Message-ID: <38D81178.261EC818@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Whatever one I'm building at the moment!!!

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Tue, 21 Mar 2000 19:06:38 -0500
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [66240] Atlanticon
Message-ID: <3.0.1.32.20000321190638.007af330@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings again all,

Here was what the message was supposed to say. Somewhere I
lost another day this week! :-)

XYL Kathy, KB8IMP and I are on our way out east, and will
arrive at Atlanticon headquarters tomorrow, Wednesday in
the late afternoon. Sure excited about seeing everyone
who is coming to this event. I've got two 2N2/40's,
two 2N2/6's, one partially completed 2N2/15, and some
smaller, but interesting goodies with me for show and
tell Friday evening. My SNAP is also going along!

See you all there, and have a safe journey to and from the event.

72 and kind regards to all.....Jim, K8IQY

Date: Tue, 21 Mar 2000 19:59:45 EST
From: W0rw@aol.com
To: cqclist@cqc.org, Kg5nnick@cs.com, ppraanet@qth.net, qrp-1@lehigh.edu
Subject: [66241] Millennium DXCC/QRP !
Message-ID: <e8.2db0393.26097501@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Yes!

i got the last country (#100) today for the Millenium DXCC/QRP.
It was Z24 (Zimbabwe) on 20 meters, WOW, i could just barely hear him and he answered on the first call...
They really don't have a special DXCC/QRP endorsement so this is Millennium DXCC (Wilderness Sierra) Award.
10 meters is incredible...
72 countries on 10 meters,
18 countries on 15 meters, and 10 countries on 20 meters.
Rig and Antenna - Wilderness Sierra (5 Watts) to a dipole 3 meters off the ground !!!
Advice, Never work dog piles unless its F00AAAA.
Go down to the low end of the band, These guys are not on QRP calling frequencies.
You should see the ones that got away but 70% of everyone i called answered me, You have to call 'em to get 'em.
Get thee on the air !
The Millennium DXCC requires no QSL cards and you can find more info in QST Dec 99, Page 47.
Good luck
Your humble CWDX'er servant w0rw
who also does astronomy stuff at <http://LB0.teuton.org>
72 paul

Date: Tue, 21 Mar 2000 20:25:52 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:longbeard@cybernet1.com" <longbeard@cybernet1.com>

Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [66242] FOX Qs1's
Message-ID: <200003212028_MC2-9E01-881D@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

Skip (and Gang):

Here is the info. The Cheesehead QRP Club of WI is doing the project:

>>For more info about the fox buro check out
<http://www.qs1.net/nq9rp/foxburo.html>. We'll be bundling cards to send to
the
first foxes next week.

Brian AE9K / NQ9RP<<

Hope this helps. GL for the last FOX of the season tonight.

72,

--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
(Shipping: DSBF, 2020 Lovett Ave, Bismarck, ND 58504)
K0EVZ@arrl.net

Date: Tue, 21 Mar 2000 17:32:53 -0800
From: Norm Melick <henmel@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [66243] FT:
Message-ID: <38D822C5.CCDD12DE@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello.

I have a HW-16 with HG-10B VFO, and the original manuals.
They were built in 1974. Electrically they are in
excellent shape, and work just fine. Cosmetically they are
in good shape. There are zero dents or dings in the metal

cases, and the front panels are perfect. They do have some discoloration on the top of the cases, and probably could be cleaned up, but I don't want to try. They are not that bad looking at all, but they are not collector quality either.

I want to trade for a good looking HW-5400 with the keypad. It doesn't have to work, but it must have all the parts, etc. In other words, it must be repairable, and have the manuals. Alternatively, I will sell outright for \$175.00 plus shipping. The HW-16 and the HG-10B were purchased together, and I won't split them.

Feel free to e-mail me with any other questions.

Norm/KQ6SD

Date: Tue, 21 Mar 2000 17:48:37 -0800 (PST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: w1hue@amsat.org
Cc: qrp-1@lehigh.edu, dandoooley@pipeline.com
Subject: [66244] Re: [66214] RE: Garfield
Message-ID: <200003220148.RAA09009@netcom.com>

In fact, the origination of International Morse was on the oceanic cable systems, where timing was not used inside characters, instead it was bipolar keyed, in that no signal was 0 voltage, a "dash" was one polarity and a "dot" was the other. They were usually read from a recording galvanometer, and looking at those patterns obviously took some skill. Take a look at -Gentlemen on Imperial Service- by Scott, probably still available from Morsum Magnificent. I also have a 1932 book -Submarine Telegraphy- with much more information about how it was done in those days.

73, doug

Date: Tue, 21 Mar 2000 09:18:17 -0700
From: Larry East <w1hue@amsat.org>
Cc: "Dan W. Dooley" <dandoooley@pipeline.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Anyone checked out the opening panel of Garfield today?

>

>Not too sure about the (R) symbol however.....

>

That's the "Continental Morse" symbol for "R" ... In the original Morse

code, several characters differed only by the "dot" spacing. How would you like to have to copy that at 30wpm? :-)

72, Larry W1HUE/7

Date: Wed, 22 Mar 2000 13:25:26 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [66245] Not exactly QRP
Message-ID: <38D82F16.46156358@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

If you are a purist QRP'er etc. etc. hit delete NOW. Don't send me a flame later.

Given that I find our list to be one of the greatest repositories of intelligence and wisdom (and I mean that literally) I thought perhaps I would share this particular news item with you (OK I'm a greenie). It especially fascinates me and the reference URL is certainly well worth a visit.

THE LONG TIDAL WARMING

Scripps Institution of Oceanography scientists have found an 1,800-year-long ocean tide cycle that's warming the planet. The current phase in the cycle indicates a natural warming trend began a 100 years ago, picked up in the 1970s, and is likely to continue for another 500 years.

The cycle is caused by gradual changes in the alignments of the sun, moon, and earth. See

http://www.sio.ucsd.edu/supp_groups/siocomm/pressreleases/CKeeling.html

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14' S 151o:34' E
My FREE Newsletter:- <mailto:vk2tip@qsl.net?Subject=Subscribe>
VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 "duh?"

URL - <http://www.integritynet.com.au/~purdic/>

Date: Tue, 21 Mar 2000 18:30:23 -0800
From: "mail" <richqrp@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [66246] FOX
Message-ID: <006301bf93a6\$936b4c00\$f5460418@elcjin1.sdca.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

WHERE IS THE FOX????

 73's & 72's
 WD6FDD
 Rich Wilkerson, Santee, Ca

Date: Tue, 21 Mar 2000 22:03:18 -0500
From: "Kevin E. Gray" <k8su@clover.net>
To: <qrp-1@Lehigh.EDU>
Subject: [66247] FS: Rainbow Tuner with SWR Indicator in box
Message-ID: <028401bf93ab\$2d45c0e0\$c2bbfea9@user>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FS: \$60 plus shipping

thanks,

kevin

trade for old gear.

k8su

Date: Tue, 21 Mar 2000 20:55:44 -0600
From: Wayne Alexander <walexan@ipa.net>
To: qrp-l@Lehigh.EDU
Subject: [66248] Fox
Message-ID: <4.2.0.58.20000321204848.00956360@popd.ipa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

POOR FOX!!!!!!

I sure wish people would listen before they send there call.
The FOX would ask for a repeat and all _____ would break out.
The POOR FOX could not get his ? answered.
You are doing a fine job under the circumstance.

73,
Wayne
N0EA

73,
N0EA
Wayne
Willard,MO
FISTS # 4907
QRP-L # 1058
SOC # 144

Date: Wed, 22 Mar 2000 13:55:11 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [66249] Re: Most Enjoyed QRP Construction Project
Message-ID: <38D8360F.E2F65DBD@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Joseph Trombino Jr wrote:

> I decided that after many years of Appliance Operating

yuk

> (although I had built many QRP kits, etc over the years) that I would build a
> homebrew superhet receiver as the first stage of building a completely
> homebrew station.

"class" beginning to get the upper hand

> This inspiration came about after drooling over "The Progressive Receiver"
> designed by W7Z0I and K5IRK. This project was featured in the November
> 1981 issue of QST.

Missed it. Sniff... they both have as much respect in my mind as our highly
esteemed Doug.

> After doing the Happy Dance for several days when I finally got the receiver
> up and running

Even today when I remember finally aligning a Doug DeMaw VFO and buffer and
tuning the variable inductor on the output "L" network and watching it "grow"
on the CRO I still get the goose bumps. For me THAT was exciting because I
BUILT IT.

It was Doug's design, but back then it was for me largely "monkey see- monkey
do" but then again "I" built it. And I bet every home brewer on this list still
has THAT feeling when it all comes together (eventually - <big grin>)

> I decided to convert it to a full-blown transceiver. Without going into the
> gory details (I shamelessly plagiarized existing circuits)

that is why they are published - no shame - read my statements above

> and got the transceiver up and running with a whopping 2.5W output on 20
> meters. It is the best performing rig I have in the shack next to the OMNI
> VI/3 and the soon-to-be-built K2.

I almost feel like I'm watching over your shoulder Joe!

> This was a tremendous learning experience for me and a humbling one at that
> considering that I had earned my Extra ticket in the 70's

I'm same vintage.

> It's great to see all the kit building/homebrewing being done by QRP'ers
> and my hat is off to all those folks who spend hours and hours getting
> these kits ready to go into the mail.

It is a job which most of us can only begin to imagine. Pure dedication,
definitely no money in it, just genuine personal sacrifice of time etc. toward
the "common good".

> Enough rambling and back into my lurking hideout.

No rambling Joe, I especially enjoyed my trip down memory lane.

My only contribution rests with my early "major" project which incidentally was my first with fets, transistors and IC's - hey a quantum leap beyond valves for me at that time.

Ultimately after two weeks everything worked fine as expected, it was a mobile 2 metre outfit, I had even fabricated a suitable home-brew enclosure, Oh I was so proud of all this "junk" (XYL's words) all over the kitchen table. Just that one last test before putting it all together, PUFF "smoke" etc. etc. Yep idiot, swapped pos and neg leads from temporary power supply.

"A rooster one day and a feather duster the next".

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14' S 151o:34' E
My FREE Newsletter:- <mailto:vk2tip@qsl.net?Subject=Subscribe>
VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 "duh?"
URL - <http://www.integritynet.com.au/~purdic/>

Date: Tue, 21 Mar 2000 20:55:18 -0600
From: Dan Copeland <kf0ov@alltel.net>
To: qrp-l@Lehigh.EDU
Subject: [66250] [FOX] Apology to Roy
Message-ID: <4.2.2.20000321204858.00abd970@mail.alltel.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Roy,

I would like to apology for the poor operating habits exhibited tonight by the hounds. This was the worst hunt of the year. I can't believe they would not even let you ask a question before sending right on your frequency.

You did a fine job coping.

Dan
Dan Copeland N0DT
n0dt@alltel.net

Date: Tue, 21 Mar 2000 19:05:11 -0800
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: EleCraft mail list <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>
Subject: [66251] WA6HHQ (and Ham Radio) gets 5 min of fame on ZDTV
Message-ID: <38D83867.81DCFBF7@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For those of you who are curious what I -really- look like, or if you just want a good laugh seeing me panic on live TV, I'll be on the ZDTV show "Call For Help" tomorrow afternoon, Wed. 3/21 at 4 PM PST (0000 UTC.)

ZDTV's "Call For Help" is a show for computer users that is broadcast via satellite (Dish network, DirecTV, C-Band.) and many local cable systems world wide. You can get additional info at www.zdtv.com

So what does this have to do with ham radio and QRP? It turns out one of their viewers wanted to know about connecting to the internet to get email via Ham Radio. I'll be on for a short 5 minute Q & A covering AirMail/WinLink, Pactor, PSK31, etc. and how to become a Ham. I'll be carrying a K2 with a KAM controller to show as an example.

Will I make sense? Will I convince the internet crowd that Ham Radio is cool? Tune in and see..

73, Eric WA6HHQ

--

<http://www.elecraft.com>

Date: Tue, 21 Mar 2000 19:07:59 -0800
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: EleCraft mail list <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>
Subject: [66252] WA6HHQ on ZDTV - Date Correction
Message-ID: <38D8390F.49340646@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

One Correction to my last post:

I'll be on Tomorrow, Wed. 3/22 at 4PM PST. (0000 UTC 3/23).

I apologize for the confusion.

73, Eric

--

<http://www.elecrafter.com>

Date: Tue, 21 Mar 2000 22:00:47 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [66253] Technical Workshops at Atlanticon - another one!
Message-ID: <01c601bf93aa\$d5673f20\$4359accf@ire.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We mentioned a couple of days ago about the extra "technical workshop" sessions that have been scheduled for Friday evening at Atlanticon QRP Forum this coming weekend ... well, it just keeps getting better and better! Another workshop has been scheduled:

10:15pm -- Jim Nestor, WK8G is our resident PIC programming ace here in New Jersey QRP-land, and Jim has offered to host a small workshop overviewing the PIC microcontrollers, show his prototyping boards, languages from assembler-to-C-to-Basic, and how he generally goes about design and development of his QRP microcontrolled projects. Jim will have his computer fired up and some real-time programming of <ahem> a "special" project-in-progress. You have to see this one to believe it! The WK8G PIC Workshop will start around 10:15pm in the corner of our hospitality hall on Friday night. No tickets needed, just hang with the homebrewers gathered around the workshop tables ... you can't miss 'em!

And re-iterating the other two workshops happening earlier in the evening on Friday ...

8:30pm -- Skip Arey, N2EI will be putting on a MANHATTAN-STYLE HOMEBREWING DEMO in our hospitality hall there at the hotel. Skip will be setting up a corner table around 8:30pm Friday evening to put together some Manhattan-style projects for all those interested. He'll be showing the basics of cleaning the boards, cutting the boards and pads, gluing the pads to the base board, soldering axial and radial lead components, toroids and even ICs into the pads. If you've had any questions whatsoever on this fast and easy homebrewing technique, here's your chance to see it in action. And of course we'll have Chuck Adams K7QO with us too for all the subtle tips to

make your project "top shelf"!

9:30pm -- Rod Cercone, N0RC is coming to Atlanticon all the way from Colorado and will be hosting another corner table on Friday evening, around 9:30pm ... Rod will be putting on a TOROID CONSTRUCTION DEMO - selection and handling of the toroid and magnet wire, winding techniques, holding fixtures and tricks for tinning the leads of the finished inductor. Rod says: "I'll also bring my secret toroid tinning tool, a clothes pin. (You'll see what I mean on Friday night.)" He'll even have some green magnet wire with him and demonstrate making a "bifilar winding" like that used with the SNAP project. (And I'll let you in on my secret, Chuck, for obtaining the green magnet wire! :-)) This should be a *very* helpful session if you've ever fumbled with those little ferrite cores while trying to make your inductor or transformer.

73, George N2APB
n2apb@amsat.org
for the NJQRP Club at <http://www.njqrp.org/atlanticon/>

Date: Tue, 21 Mar 2000 19:10:17 -0800
From: "K7FD-N7SG" <cqdx@teleport.com>
To: "Eric Swartz WA6HHQ - Elecraft" <eric@elecraft.com>, "EleCraft mail list" <elecraft@qth.net>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [66254] Re: [Elecraft] WA6HHQ (and Ham Radio) gets 5 min of fame on ZDTV
Message-ID: <004901bf93ac\$27e2dba0\$41231ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Can I get your autograph?

;) John K7FD

>For those of you who are curious what I -really- look like, or if you
>just want a good laugh seeing me panic on live TV, I'll be on the ZDTV
>show "Call For Help" ETC...
>
>73, Eric WA6HHQ
>--

><http://www.elecrafter.com>

Date: Tue, 21 Mar 2000 22:14:44 EST
From: N10DL@aol.com
To: qrp-1@lehigh.edu
Subject: [66255] Need call info G0SXC
Message-ID: <a1.3267f25.260994a4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Had a very nice chat with Kevin, G0SXC, while we were both /m. He was 20 miles south of Manchester England and I was in Manchester, NH. Checked both QRZ and Buckmaster and cannot find his call. Does anyone have any information on him?

Thank you.

Aron

N10DL

Bedford, NH

Date: Tue, 21 Mar 2000 21:50:19 -0500
From: hamjoel@juno.com
To: qrp-1@lehigh.edu
Subject: [66256] dx on 40mtrs
Message-ID: <20000321.224318.-135887.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

high Y'all

boy did I get a suprise today... about 3:30pm eastern time.... I heard an EA calling cq and I just listened... sure I was hearing wrong.... then I heard an I sumthing or other... (Italy) answer the guy...

then I tried to get the EA but no luck...I guess the yagi was going long path to europe or I got him off the back of the thing... I've been able to go down to a half watt and sill get 33 or better reports on ssb at nite on the cc club net...on 7.233.5... here in the usa...

This is what I like about a good antenna... it lets me go lower in power and still present a good signal for someone to copy. It also makes the 5 watts more effective when conditons are poor...

I still haven't figured out what happened with the 20 mtr ant I tried... I'll be trying somethig different with it soon... it's getting warmer and

the sneaux is melting... TIME TO GO FISHING....ALMOST
Joel KE1LA
In Maine

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Tue, 21 Mar 2000 20:00:24 -0800 (PST)
From: Ronnie Davis <ke4vpn@yahoo.com>
To: QRL List <qrp-l@lehigh.EDU>
Subject: [66257] QRP Projects The Most Fun I Have Had In Ham Radio
Message-ID: <20000322040024.9585.qmail@web616.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Fellow QRPers

I have been busy at the shack lately. I have built a SW-40+, ZM-2 Tuner, WM-2 Wattmeter, Norcal 40A, Two sets of Paddles from last months QST, 10 straight keys, one 40 meter dipole and I have found out one important thing that no one on the list has warned me about. QRP is addictive! Homebrewing is addictive! I have had a ball in the shack burning solder. The only problem is I havent had time to use them cause I have been building Hi Hi.I may go crazy from building but I will be having a ball until then.One thing I have learned that its great to do it yourself.Thanks fer all the help from the list and may QRP and homebrewing live on forever. 73 de KE4VPN

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Tue, 21 Mar 2000 20:53:56 -0700
From: Roger Hightower <n7kt@worldnet.att.net>
To: ELECRAFT <elecrafft@qth.net>, QRP-L <qrp-l@lehigh.edu>
Subject: [66258] Keycaps and LED's, List 2
Message-ID: <38D843D4.5C7E65D8@worldnet.att.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OK...here are the additions to the earlier list of those who wanted the keycaps and LED's:

W70X
WA2YGY
N7TM
W6NEK
WB8YQJ
KF4ICZ
AB5PC
K0LOA
N5WU
AA7EQ
KC7ZVM
NS6N
W4BLD
KC2FNL
W1PG
N5WU
WA7SPY
N5EN
KF4PGK
N4YTL
W1EMT

If you ordered _more than_ two sets, pse include \$2.00 with your SASE.
For only one or two sets, don't worry about it.

For everyone, if I don't get the SASE you don't get the parts. Send it to:

Roger Hightower, N7KT
1265 W. Kiowa Circle
Mesa, AZ 85202

I'll order the parts on 3/22, and hope to start sending them out on 3/27.

--

72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591 SOC #14

Date: Tue, 21 Mar 2000 23:38:35 EST
From: kb9iua@juno.com
To: qrp-l@lehigh.edu
Subject: [66259] FOX: Final Tally ???
Message-ID: <20000321.222846.5367.2.kb9iua@juno.com>

Momma Fox (or Tom, N1TP who has also done this) --

Will there be a final tally published of both the foxii and
hunter accomplishments, such as the rankings of before?

I hope so, as I am curious where I fell. It was certainly
a good year for me -- I am excited to claim (unofficially of
course without the final tally) 28 pelts plus the /C6A
special. Nonetheless I am somewhat bumbled that I
couldn't hail either NA6E or AB7CE to make that 30 of
the regularly scheduled foxes (which would have a batting
average of .750), despite fighting QRM, etc., and calling
for the entire time on each. Oh well. As they say in
baseball -- there is always next year!

THANKS to all the FOXii -- without your guts and skill this
couldn't happen in the first place. And THANKS to all the
HUNTERS (despite the competition and QRM you provide --
<BIG GRIN>), as we wouldn't have a party without guests.
I love the fox hunts.

Cheers/73. Kevin, KB9IUA

Kevin Anderson, KB9IUA, Rock Island IL EN41
e-mail: KB9IUA@juno.com Opinions all my own.

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 21 Mar 2000 23:53:03 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [66260] Summary of Atlanticon "extras"
Message-ID: <024901bf93ba\$82c657a0\$4359accf@ire.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Atlanticon QRP weekend is getting sooooo close - I'm starting to hyperventilate!

I won't waste space re-iterating everything happening, but there is some new news and the conditions are right. Here's a snapshot ...

- We're up to 122 QRPers pre-registered to attend Atlanticon and a fair number of guys have stated their intention to register at the door. The QRP camaraderie should be overflowing!

- the Proceedings (collection of authors papers) look *great* at 104 pages! I think one of the best so far. Attendees will just love it. Extras being sold after the conference.

- Special event station W1FB/3 on the air during Atlanticon Friday and Saturday evenings! It'll be W1RFI on the original Tuna Tin 2 on 7.040 MHz at 8pm, 9pm, 10pm and 11pm. Special event QSL cards prepared.

- Some *super* prizes have been coming in -- Red Hot's RH40 -- Small Wonder Labs' DSW-40 + enclosure -- Elecraft's K2 -- NorCal's SMK-1 (three of them, with enclosures from the NJQRP!) -- MFJ's new Cub transceiver -- SuperAntenna's WM-1 mobile HF antenna -- a Poquet Plus PC from AA2VK -- a KE6RIE custom machined Straight Key -- Morse Express' PK3 Memory Keyer Kit -- EMTECH's coax grabbers -- FAR Circuits' pcb projects -- Kanga US' MW Radio/AF Amp/Diode Chkr kits -- 3 keys from American QRP Key Mfg Co -- Embedded Research's Super TiCK Keyer Kit --

- Dave Ingram, K4TWS of CQ Magazine fame is super excited about attending and covering all the happenings in his regular QRP column.

- An NJQRP-sponsored plaque will be awarded: "Most Significant Contribution to QRP" (the recipient doesn't have to be attending the weekend)

- A fourth Technical Workshop is in the planning stage

In summary ... great speakers, great friends, great QRP fun happening from start-to-end this coming weekend in Philly at the Atlanticon 2000 QRP Forum.
<http://www.njqrp.org/atlanticon/>

73, George N2APB
n2apb@amsat.org

Date: Tue, 21 Mar 2000 23:08:40 -0600
From: Steve Bauder <sbauder@win.bright.net>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [66261] Power metering with the AD8307
Message-ID: <38D85558.4705@win.bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Has there been any discussion on QRP-L regarding the use of Analog Devices' 8307 log amp as a QRP power meter? I've only been "reading the mail" for a couple months and don't remember seeing anything. Are there archives of the list that I could search?

It looks like the 8307 would make a very simple and accurate power meter. Anybody have any experience with it?

72/3
Steve, NX9Z
sbauder@ieee.org
Boyceville, WI

Date: Wed, 22 Mar 2000 00:39:37 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [66262] Re: dx on 40mtrs
Message-ID: <b3.1c205f1.2609b699@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 3/22/00 12:03:25 AM Eastern Standard Time, hamjoel@juno.com writes:

<< then I tried to get the EA but no luck...I guess the yagi was going long path to europe or I got him off the back of the thing... I've been able to go down to a half watt and sill get 33 or better reports on ssb at nite on the cc club net...on 7.233.5... here in the usa...

This is what I like about a good antenna... it lets me go lower in power and still present a good signal for someone to copy. It also makes the 5 >>

Hey Joe,
If you'r a real night owl like me,listen to 40- DX rolling in at starting a
bit after 0400 UTC.
It's not uncommon to work VK stations(the down under Guys)
They love us up over op's(Or do they call us YANKS?)
Anyway the band has been very good in the last few days.
BTW,Did you say SSB?
Bob
WA2HOQrp <tm>

Date: Wed, 22 Mar 2000 00:47:31 +0200
From: lenny wintfeld <w2bvh@home.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [66263] I1MMR with a TT2
Message-ID: <38D7FC03.318AC41B@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi!

Just worked I1MMR in Genoa with a TT2 (330 mW to a center fed zepp cut
for 80 mtrs up about 25 feet).

I've got a HB Colpitts vfo with about a 35 khz swing tied to the TT2.
Mauro was at 7.023.

Previous longest distance with my TT2 was to Tenn.

Best 73s

Lenny w2bvh

Date: Tue, 21 Mar 2000 22:20:03 -0800
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateru Radio Discussion <qrp-1@lehigh.edu>
Subject: [66264] Some fun and games.
Message-ID: <38D86613.74391D10@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The last fox was a nice catch. Also finished up

the last frequency and filter tweaks on the 3rd K2 built here. Also signed on to build a 4th K2 which I get to use until October. That will be the last K2 built here. I have promised another free build of a MN-9 rig for a gent but don't have the name/email handy.

Currently off work, staying at home due to appeal of carpal tunnel work injury they deny. Let's see, 15 years programming, arm pain..... No, can't possibly be an injury from the job....

Seeing the lawyer tomorrow. Enjoying the time off though.

All the best to all. 72/Ed we6w
Time for Zzzzz's.

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068
<http://www.qsl.net/we6w> Santa Rosa, CA
Brain, only as strong as its weakest think.

Date: Wed, 22 Mar 2000 01:46:35 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: Fairbairn Bob-C12509 <C12509@NAmerica.mot.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [66265] Re: Icom IC706MKIIG on QRP
Message-ID: <Pine.3.89.10003220111.A9891-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 21 Mar 2000, Fairbairn Bob-C12509 wrote:

>

> I was just thinking that my main radio the 706 would make a pretty good qrp
> radio. I have not tried turning it down all the way to see what low power
> is but it might be low enough??? Has anyone seen any qrp mods for the
> 706??? Anyone else using the 706 for QRP?

I have instructions on my website for building an ALC adjusting circuit which will reduce the 706 output down to the mW range. It was designed specifically for the 706... As is, my 706 only goes down to about 4W.

>

> The one problem is standby current drain is very high. It is not a K2 or a
> NORCAL 40.

That's for sure! But you can reduce the RX current significantly by

turning off the display backlight.

73,

Bob Patten, N4BP

(0 0)

Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://www.qsl.net/n4bp>

Brass Pounder BBS: (954) 472-7715

SOC #1Whiners #6

Date: Wed, 22 Mar 2000 02:56:05 -0500 (EST)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [66266] Dayton QRP Banquet - a can't miss event!
Message-ID: <Pine.LNX.4.10.10003220250440.19413-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Are you going to be in or around Dayton, Ohio during hamvention week/weekend? If so, you absolutely can't miss this spectacular event.

May 19, 2000. 7 p.m. (eastern time).

Friday night, 7 p.m., perfect after a long day of strolling the flea market at Hara...a big dinner, lots of idle radio chat, a keynote speech by Wayne Burdick, developer of the 40a, Sierra, and K2 to name a few.

It costs \$25 (cheap!) and you can register by sending funds to Ken Evans, W4DU. He can be found at w4du@bellsouth.net.

Mailing address is:

KENNETH W. EVANS
848 VALBROOK CT
LILBURN GA 30247

Oh, and this year, we will have a lot of door prizes...but we're going paperless this time, choosing to use buttons instead of tickets.

Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Wed, 22 Mar 2000 06:36:40 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [66267] special request for indirect help
Message-ID: <Pine.GS0.4.10.10003220633030.16579-1000000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Peter Laur, SM5HUA, has obtain a 1936 Harvey 80T transmitter. He needs the following parts to help him complete his restoration to original condition:

Kenyon T-656 transformer
final amp coil form (white ceramic, oriented orizontal with banana plugs at each end).

Knowing that among QRPers, there are those with an affinity for old designs and vacuum tubes, I thought a lead or two might turn up.

If you have help you can render--even to sending him to an appropriate web site, contect him directly at peter.laur@swipnet.se

Many thanks for any help you can give him.

-73-

LB, W4RNL

Date: Wed, 22 Mar 2000 11:51:17 GMT
From: k1vp@lawson-philpot.com
To: kf0ov@alltel.net
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [66268] Re: [FOX] Apology to Roy
Message-ID: <20000322.11511700@work1.grizzly.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Date: Wed, 22 Mar 2000 02:23:33 -0700
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [66270] My first kit....most memorable
Message-ID: <38D89115.3F7@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

My most memorable kit was building the Knight Kit Star Roamer! I remember as a 6th grader, hoping that my folks would buy it for me one Christmas. Well they did, and I built and got it alinged with the help of my dad. That was my start into the world of radio!

Next kit was a Heath color tv that my dad ordered. This monster arrived in the mail in 2 big boxes! After getting my feet wet with the Star Roamer, my dad trusted me to work on the tv boards. After school I would melt solder till my dad came home. Then, he would make me go study instead of working on the tv! We had the only tv in the neighborhood that was built into a wall, it was neat!

72, Tom WB5QYT...."Have spud will travel!"

Date: Wed, 22 Mar 2000 07:50:17 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: C12509@NAmerica.mot.com, qrp-1@Lehigh.EDU
Subject: [66271] 706 on QRP es QRPP / Attenuator
Message-ID: <20000322.075025.-30055.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hello Bob es Group

In answer to the question . . .
>>anyone else using the 706 for QRP?

Yes, several modes,
for a very exciting QSO,
I have two attenuators, 10 dB es 20 dB,
and if my contact is not a QRPP station
the attenuator is (usually) not removed.

Additional info . . .
on the power scale,
10 dB is an order of magnitude,
that is . . .
5W minus 10dB equals 0.5W.

A simple inline (50 Ohm feed-thru) 10dB attenuator looks like
the upper case, letter > T > (bottom of "T" is chassis ground),
27 Ohm input, 27 Ohm output and 36 Ohm center to ground,
use high Watt *carbon* resistors (NOT wire wound).

20 dB (50 Ohm attenuator) 43 input, 43 output and 11 center to ground.

NOTE, those are 5%, R.S. values (math values are a "little" different).

The attenuator is installed BETWEEN the radio and tuner.
I use a copper clad printed circuit board with BNC
connectors soldered direct to same board.
Make all leads as short as possible.

John
N3AAZ
FM19xa

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 22 Mar 2000 08:15:18 -0500
From: "Lau, Zack, W1VT" <z1au@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [66272] Re: HB: Low Phase Noise VFO
Message-ID: <125490A005E3D3118C9C00805FC743CC42098E@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Does anyone know of a readable analysis of phase noise on receiver systems
using convolution
and gaussian random variables?-Zack W1VT

Date: Wed, 22 Mar 2000 13:00:08 -0000
From: "Andy GM0NWI" <Gm0nwi@tesco.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [66273] W1FB "NOVICE" ANTENNA NOTEBOOK..follow-up..
Message-ID: <000501bf93fe\$a8f26f60\$f556ac3e@q1n3l2>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guy`s...

Just as a little more help for anyone who is THINKING
about helping me track down this publication....

I have again looked TODAY at the edition of QST
that I originally found a picture of this book in...
The edition of QST is November 1991 and
the page with the picture on it is.....page 168..

Just thought that as there may be some folks who
are strugglin' to visualise the book, or those that think
I may have indeed imagined it..that there is proof of
existence..

Thanks again for all the bandwidth, subsequent help on this
one...

72s de Andy gm0nwi
GM0NWI
"Long Live QRP..!"
GQRP No.9576

Date: Wed, 22 Mar 2000 07:26:23 -0600
From: Kyle Lusk <klusk@bhm vending.com>
To: "'qrp-1'" <qrp-1@Lehigh.Edu>
Subject: [66274] Want to buy Advanced test book
Message-ID: <01BF93CF.EE54A020.klusk@bhm vending.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I would like to take the advanced test . I need the book ,pse es tn timer de
Kyle

Date: Wed, 22 Mar 2000 07:17:45 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <eric@elecraft.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [66275] Re: WA6HHQ (and Ham Radio) gets 5 min of fame on ZDTV
Message-ID: <005901bf9401\$05f9d340\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is what we truly need. A good way to convince the Internet crowd that Ham Radio is cool. I can't get that across to my sons. Would sure love to have ideas.

Ideas?

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandooley@pipeline.com
May Goddes love blest ye alle
SOC#198
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Tuesday, March 21, 2000 9:05 PM
Subject: WA6HHQ (and Ham Radio) gets 5 min of fame on ZDTV

>
> Will I make sense? Will I convince the internet crowd that Ham Radio
> is cool? Tune in and see..
>
> 73, Eric WA6HHQ
> --
> <http://www.elecraft.com>

Date: Wed, 22 Mar 2000 08:13:14 -0600
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: <colcal@srv.net>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [66276] RE: 10 meter DX

Message-ID: <000101bf9408\$c3e83ed0\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just wait until Summer gets here! You think 10 is good now.....! I remember the last two peaks, I was getting into Oceania (south Pacific), Australia, Antarctica.... with a modified crystal controlled CB on CW. I could have made my WAC in about two or three days. I got 20 new DXCC countries in one Summer's time. (Some I'm still waiting for a QSL....)

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Francis Callahan
> Sent: Wednesday, March 22, 2000 5:53 AM
> To: Low Power Amateur Radio Discussion
> Subject: 10 meter DX
>
>
> Check out 10 meters in the mornings. Worked all over the UK
> and into France
> with my QRP Plus at about 2 watts out on sideband with the
> lowest report 5-3
> and the best 5-7 72 Cal KF7ET misplaced Vermonter in Idaho
>
>

Date: Wed, 22 Mar 2000 09:18:00 -0500
From: Smith Harold <SmithH@tce.com>
To: "'kd1jv@moose.ncia.net'" <kd1jv@moose.ncia.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [66277] RE: Single chip CW Rx
Message-ID: <B9B6874277EED211B1890008C707AF5301610FB4@indyexch3.indy.tce.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

I've been using FM IF/detector chips for years to make simple, fairly high performance CW receivers. The limiting action pretty much eliminates the need for AGC.

You do need to have a pretty decent crystal filter ahead of the limiter, because once 2 signals get into the IF together, they come out at the same level. And since the limiter is extremely non-linear, the intermod products between them can make both unreadable, even though they are plenty loud. Ideally, you let only one signal into the IF at a time. This is always true, of course, but is more so with a limiting IF.

One problem with the MC13136, and most of Motorola's FM chips, is that the limiters are designed to work only at 455 kHz. The frequency response starts rolling off at about 1.5 to 2 MHz, which is not compatible with most homebrew crystal filters. For this reason, I prefer to use the Philips NE605/615 parts, though they are harder to find.

My favorite part, though, for this application is the venerable MC1357/CA2111/ULN2111. This was just about the first FM detector IC ever made, and it looks like it was designed to be as flexible as possible. (Its internal schematic, at the transistor level, is available in most editions of Motorola's Linear IC databook.) The IF frequency response goes through the hf region, with no built-in lowpass filter. The detector is a true Gilbert cell, with no internal cross coupling cap. And there is a transistor connected to the Gilbert cell that has both its emitter and base connections brought out, so it can be used as the BFO. Thus this part, with an NE602 or something as a first mixer, a crystal filter, and an audio PA makes a very good, very simple superhet CW receiver.

The biggest drawback I've found is that the part has no RSSI, so there is no way to include an S meter.

Unfortunately, both Motorola and Harris have recently discontinued their versions of this IC, but they are widely available surplus, usually for about a buck and a half. The next time you're in the mood to knock together a CW receiver, give this chip a look.

72,

KE6TI
Harold Smith

-----Original Message-----

From: Steven Weber [mailto:kd1jv@moose.ncia.net]
Sent: Monday, March 20, 2000 10:32 AM
To: Low Power Amateur Radio Discussion
Subject: HB: Single chip CW Rx

Howdy,

This weekend I dead-bugged a single chip Rx using one of those dual conversion FM receiver chips, an MC13136 to be specific.

Now I know there have been at least a couple of published rigs using this chip or similer, but the one's I've seen only use the mixer sections and neglect using the IF ampliifer. The IF amp is a limiting amplifier, designed to remove amplitude fluxuations from a FM carrier. With about a 10 uv input signal, the IF starts to limit and the output doesn't go any higher.

Now this is a problem is your trying to demodulate SSB or AM phone, but for CW, this isn't a problem. The signal doesn't quite turn into a full square wave and the tone sounds just fine. Using the IF amp makes the receiver pretty sensitive. The limiting action of the IF amp has the neat effect of keeping all the signals sounding pretty much the same volume, except those not strong enough to limit the ampliifer. Plus, RSSI is now available to drive an S meter.

Of course, these chips use a Glibert Cell mixer similer to the NE602, so have the same problems with overloading from SWBC stations. On 40, a double tuned BPF kept most of the garbage out of there and it works remarkably well. And with a LM386 for an audio amp, it works down to 3.5 V's before starting to distort. All-in-all, it makes a reasonably decent receiver that fits in a small space and draws little current.

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Wed, 22 Mar 2000 09:39:26 -0500 (EST)
From: "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
To: "qrp-L@Lehigh.EDU" <qrp-L@Lehigh.EDU>
Subject: [66278] Hate to Ask
Message-ID: <Pine.BSI.4.05L.10003220936130.11759-1000000@vh1.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just wondering if there are any kit-builders on the list that do it for others? I'd like to have a K2, but sight problems and an inherited problem with fine motor control skills makes it a bit hairy.

The other alternative would be to buy one from someone that doesn't like the K2, but that's unlikely.

Please resond diretly, no need to clutter the list (g)

[illegible]

Baltimore - A link to The City - visit us for Postcards, Home Page Registry and much more.
Baltimore Press - Smaller, Smarter, Better

The QRP Cheeseheads have been running a FOX QSL buro this season but business has been pretty slow. We will be accepting cards from fox hunters until March 31st. Then we'll send out all the cards we have on hand. We'll collect replies from Foxes until April 15th. At that time we'll send out any remaining cards and then shut the buro down until fall.

PS Our web page is a little out of date because I misplaced the Password to my qsl.net account for a while. I got it back so we'll be updating shortly

Date: Wed, 22 Mar 2000 08:44:57 -0600 (CST)
From: Bruce Ratray <ratray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [66280] antenna project
Message-ID: <Pine.LNX.3.95.1000322083521.24651A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have been looking for a used Butternut to install on my city lot backyard, actually my garage roof, to help round out my antenna "farm"....but finding one, at a reasonable price, is proving to be difficult....well I came across an antenna I had forgotten about in my garage the other day and it got me to wondering if I could use it for this purpose...I have the paperwork on it somewhere but roughly it's an old HyGain short wave listening antenna...it's maybe 15 feet high and has a long black coil in the approx middle of it....this coil is about 2 feet long and about an inch in diameter.....these dimensions are approximations only and I can get the actual measurements of course...the thought occurred to me that maybe I can use this for receiving the ham bands, especially 40mtrs, but maybe I could use it as a transmit antenna as well at qrp levels....so do the antenna gurus have any thought on this please?...am I wasting my time?....should I stick with trying to find a Butternut?...yadda,yadda,yadda.....I'll go looking for the paperwork I have on it and then I can come up with the actual measurements, model number, etc.

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Wed, 22 Mar 2000 09:46:45 -0500
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: <joebarb@wilmington.net>
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [66281] RE: Most Enjoyed QRP Construction Project
Message-ID: <000f01bf940d\$72b4cb00\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Joe:

Your description really hit the nail on the head. I thoroughly enjoyed reading about your adventures in light of the fact that I just finished a receiver here that "grew" into a QRP transceiver. I've been using it almost every evening on 20 meters SSB feeding a 145-ft. doublet.

Truth be known, I feel guilty (well, sort of) firing up my Omni-V and homebrew kW amplifiers these days! It's almost "too easy" with the big rig, and yet it's so very easy to make QSOs with QRP. As I'm sure you know, the

stations you contact get a real bang out of it. The Russians and Cubans in particular seem to be kindred spirits. Many of them use all homebrew rigs.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Joseph Trombino Jr

Sent: Tuesday, March 21, 2000 5:53 PM

To: Low Power Amateur Radio Discussion

Subject: Most Enjoyed QRP Construction Project

Hello Gang:

My most enjoyable and memorable QRP construction was a two-step process. I decided that after many years of Appliance Operating (although I had built many QRP kits, etc over the years) that I would build a homebrew superhet receiver as the first stage of building a completely homebrew station.

This inspiration came about after drooling over "The Progressive Receiver" designed by W7ZOI and K5IRK. This project was featured in the November 1981 issue of QST. After doing the Happy Dance for several days when I finally got the receiver up and running I decided to convert it to a full-blown transceiver. Without going into the gory details (I shamelessly plagiarized existing circuits) and got the transceiver up and running with a whopping 2.5W output on 20 meters. It is the best performing rig I have in the shack next to the OMNI VI/3 and the soon-to-be-built K2.

This was a tremendous learning experience for me and a humbling one at that considering that I had earned my Extra ticket in the 70's and thought that I was pretty much up on things (boy, was I wrong:-). I quickly learned that such things as smooth and noiseless QSK switching, VFO stability, no-chirp CW, etc, etc were non-trivial considerations. I spent countless hours of troubleshooting/optimizing to get the rig to where it is today...but all the time was well spent in terms of what I learned along the way.

And to think that todays kit designers offer features such as DDS VFO, built-in keyer, freq announcer, etc into a rig that fits in the palm of your hand!!!

It's great to see all the kit building/homebrewing being done by QRP'ers and my hat is off to all those folks who spend hours and hours getting these kits ready to go into the mail.

Enough rambling and back into my lurking hideout.

72, Joe W2KJ (North Carolina)

Date: Wed, 22 Mar 2000 08:52:34 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>
Cc: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [66282] antenna project (fwd)
Message-ID: <Pine.LNX.3.95.1000322084826.24651C-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...with regard to my previous posting on the "antenna project", if this turns out to be a possibility maybe it could go a step further and be further modified for portable operation(a knockdown antenna for qrp work)...I'm assuming that there are more than one of these antennas "out there" sitting around doing nothing.....maybe time to recycle!....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

----- Forwarded message -----
Date: Wed, 22 Mar 2000 08:44:57 -0600 (CST)
From: Bruce Rattray <rattray@neale.gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>,
Low Power Group <qrp-l@LeHigh.EDU>
Subject: antenna project

I have been looking for a used Butternut to install on my city lot backyard, actually my garage roof, to help round out my antenna "farm"....but finding one, at a reasonable price, is proving to be difficult....well I came across an antenna I had forgotten about in my garage the other day and it got me to wondering if I could use it for this

Date: Wed, 22 Mar 2000 07:20:02 -0800
From: "NA6E" <na6e@qsl.net>
To: <colcal@srv.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [66283] tubes
Message-ID: <LPBBKMHGKJHAFCHLDJBAAEELMCEAA.na6e@qsl.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm having a problem finding a 9006 vacuum tube to go into my VTVM. Does anyone have any suggestions or happen to have one sitting around? I really miss my meter :)

73
Mary, NA6E
QRP Quarterly Editor
Sacramento, CA
QRP-C #7 QRP-ARCI #9923 WHINER'S #2

Date: Wed, 22 Mar 2000 09:26:28 -0600
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: <wb5qyt@eFortress.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [66284] RE: My first kit....most memorable
Message-ID: <000001bf9412\$fec04980\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My first "kit" was one of those "perf-board" no-solder kits from Radio Shack. You remember, the ones on the little red boxes. It was a one-tube radio. It ran off of two D-cell 1.5 volt batteries and one A-cell 45 volt battery. It ATE those batteries. I wish I still had it. My first "real" kit was a Poly-Paks digital clock.

72/73
Kevin, WB5RUE
To an engineer there are two types of things in the world--
Things that are broken.
Things that aren't broken yet because you
haven't had a chance to mess with them yet.

Date: Wed, 22 Mar 2000 10:28:24 -0500
From: "Ted Roycraft" <roycraft@research.att.com>

Thom,
Go to the elecraft web site (<http://www.elecraft.com>). They have a section devoted to finding people who will build the kit for you.

[illegible]

>
>

Date: Wed, 22 Mar 2000 09:26:03 -0600
From: Karl Kanalz <KKanalz@excel.com>
To: "'n3aaz-qrp@juno.com'" <n3aaz-qrp@juno.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [66286] RE: 706 on QRP es QRPP / Attenuator
Message-ID: <2D343922E283D211945C0008C7A41B2A01A74612@adntex01.adsn.dal.excel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Just keep in mind, though, that those attenuators
can *also* attenuate the received signal as well!

Karl K - W8TIF
McKinney, Texas

-----Original Message-----
From: John R Kirby [mailto:n3aaz-qrp@juno.com]
Sent: Wednesday, March 22, 2000 6:50 AM
To: Low Power Amateur Radio Discussion
Subject: 706 on QRP es QRPP / Attenuator

In answer to the question . . .
>>anyone else using the 706 for QRP?

Yes, several modes,
for a very exciting QSO,
I have two attenuators, 10 dB es 20 dB,
and if my contact is not a QRPP station
the attenuator is (usually) not removed.

Additional info . . .
on the power scale,
10 dB is an order of magnitude,
that is . . .
5W minus 10dB equals 0.5W.

A simple inline (50 Ohm feed-thru) 10dB attenuator looks like the upper
case, letter > T > (bottom of "T" is chassis ground), 27 Ohm input, 27 Ohm
output and 36 Ohm center to ground, use high Watt *carbon* resistors (NOT
wire wound).
20 dB (50 Ohm attenuator) 43 input, 43 output and 11 center to ground.
NOTE, those are 5%, R.S. values (math values are a "little" different).

The attenuator is installed BETWEEN the radio and tuner. I use a copper clad printed circuit board with BNC connectors soldered direct to same board. Make all leads as short as possible.

John
N3AAZ
FM19xa

Date: Wed, 22 Mar 2000 10:37:57 -0500
From: "Ed Tanton" <n4xy@att.net>
To: "John P. Cummins, Sr." <jpcummins@worldnet.att.net>, "NOGA QRP" <nogaqrp@qth.net>
Cc: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [66287] RE: [NoGaQRP] Organizing a Homebrew Project... a point
Message-ID: <NBBBJDEEIFDDANGEGHLBGEGGJFAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

I would like to add my 2 cents here: this is a terrific treatise on project management (<http://www.mpna.com/fpqrp/homebrew.html>).

ONE thing I would stress differently: Documentation was 4th. I consider it to be FIRST. From day 1 of an idea, write-AND SAVE-every word, drawing, whatever. My rule when prototyping for the past 25 years has been:

If it ain't on (the) paper, IT DOESN'T EXIST.

I used to work for a couple of young engineers fresh out of the North Avenue Trade School (you've probably heard of it by its regular name: Georgia Institute of Technology / GA TECH.) Now, they do indeed produce really fine Engineers, but the young engineer I was DIRECTLY involved with on this project was not a believer in my rule. (Let me say: he WAS an excellent EE... his design worked like a million bucks-and for all I know, that's an appropriate way to phrase it!)

I was prototyping a test instrument to do full Qualification Testing on a hybrid (bunch-of-pins, custom-made on a ceramic substrate, mucho \$\$\$ each, and intended for use in a spacecraft) microwave multiple ferrite-device driver* and was using the "single D-sized print method". That is: I had a D-size (a little more than 1M by 1.3M-I never actually measured one) architectural drawing sheet on which was the young man's excellent design-schematic. This was all very rush-rush, and the hybrids were going into some spacecraft, and the tester was critical to the overall project.

So, to get away from the crowd, I took my project notebook and my several

colored ink pens, and ensconced myself in an empty room in a newer part of the building. The first stage of a wire-wrapping project involves determining a suitable WW board, and assigning the ins and outs for the board, as well as ALL the schematic's ICs, devices, and components to physical sockets and connectors on the WW board. We were to have several rotary switches, and these not only had to have ins and outs to the board, but the pins on the switches had to be assigned by pin, by deck, etc.

With the "single D-sized print method" you use ONE print, period. You may have tables of assignments off the sheet-indeed, you must-but that sheet must be accurate, correct, and up to date, ALWAYS.

About 5/8 of the way through this project, we were going over something about an IC, and I was informed that circuit had been changed. I looked him in the eye, and said in a normal voice: "No it hasn't." He says: "Oh yes it has, I changed so-and-so last weekend." I just looked at him and said: "(name), look at this schematic. Do you see such-and-such a change?" He replied: "No Ed, but you're being silly. Just because it isn't there, doesn't mean it hasn't been changed."

Well, you can see where this is going. Eventually, I explained to him and to his boss, that the 2-3 hours of work it was going to cost me reassigning pin numbers, locations, etc. etc. would have been a whole lot easier if I had that change when it was done. They never really LIKED the concept, but grudgingly admitted they had wasted a lot of (my) time (and worse: the project's completion time), on what we all knew was a time-critical project, to start with.

The point is: if we hadn't had that conversation over some small point, I might not have learned about it in time to meet dead-line. You MUST document start-to-finish. Believe me, you're NOT going to remember what you did, 2 years down the line, no matter how good you THINK your memory is, nor how vivid it seems at the moment.

So remember, when you're doing your projects: "If it ain't on paper, IT DOESN'T EXIST."

Ed Tanton N4XY <n4xy@arrl.net>

Website: www.qsl.net/n4xy

"Do what's right. You'll please some people, and amaze everyone else."

Mark Twain

* You whomp 'em with a bunch of magnetic field, and their non-reciprocity changes 'direction' for the microwave frequencies which they are designed and tuned for.

Date: Wed, 22 Mar 2000 08:42:19 -0700
From: "Rod, N0RC" <n0rc@qsl.net>
To: "CoARES" <coares-d10@qth.net>, "ncarc reflector" <ncarc@qth.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [66288] FS: ARRL Gen Class Lic. Manual
Message-ID: <034101bf9415\$595c2ba0\$ae101004@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

\$7 (1/2 cover price) plus shipping.

72/3 Rod, N0RC -- Fort Collins, CO

Date: Wed, 22 Mar 2000 11:23:42 EST
From: Wb8siw@aol.com
To: na6e@qsl.net, qrp-1@lehigh.edu
Subject: [66289] Re: tubes
Message-ID: <ac.2bb5b71.260a4d8e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Mary:

This may be obvious, but I'll suggest it anyway...check Antique Electronic Supply (I believe they have a Web Page), and also give a call to Purchase Radio Supply in Ann Arbor, Michigan. They have tubes going back to the '20s, however, it's based somewhat on luck/availability. I think there number is 734-668-8696.

73, Jim WB8SIW

Date: Wed, 22 Mar 2000 08:28:03 -0800
From: Allan G Taylor <agtaylor@llnl.gov>
To: qrp-l@lehigh.edu
Subject: [66290] XCVR: NC20 with hot Q3 cured, RX is alive
Message-ID: <38D8F493.3AD@llnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A week or so ago I posted a question (never answered) as to whether anyone had noted Q3 of the NC20 to run hot. Q3 is the VFO buffer/amp transistor. Well, in the process of making up the rx section of the rig I came up short a 47 ohm resistor. Tracked it down to R15 in the emitter of Q3 which is supposed to be a 470... Bingo! It runs nice and cool now. And the rx stage works well also. In spite of the 6:45AM time I was roughing in the alignment, it picked up several sigs from the east coast and EU on a trap vertical.

Did manage to work AB7CE/FOX last night, but it was gnarly out there. It took two tries but I got in there at 0343.

73 all and have a great week. WX in CA is great at 73 degrees...

--
Allan Taylor K7GT agtaylor@llnl.gov
DXCC/40CW DXCC 2000 Millenium award
SOC #6 QRP ARCI #10146 HI/QRP #93

Date: Wed, 22 Mar 2000 11:41:32 -0500
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-l@lehigh.edu
Subject: [66291] RE: My first kit....most memorable
Message-ID: <v03102807b4fea5131952@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

My first kit and most memorable was an Eico 723, my novice transmitter. I put it together during the summer of 1963 and it came up running. I was hooked on kits for life. My latest kits have been a K2 and a Tuna Tin 2.

I still have my Eico 723 and it is still putting out 35+ watts with it's

original tubes. BTW, by 1963 QRP ARCI standards, the 60 watt input was considered QRP.

72,

Rick kf4ar ex-WN4MSD/WA4MSD

Date: Wed, 22 Mar 2000 08:43:00 -0800 (PST)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [66292] PSK31 DX'ing with mW
Message-ID: <20000322164300.22712.qmail@web705.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Just started useing this new mode this week. Never did any digital HF before to its a new thing for me. Hooking up the cables for PTT, etc was easy but I still had a bad connection and was hung up several days before I figured it out! hi hi

My 1st QSO was XE1FAA, and we did the QRP Limbo down to 10mW. I started with 700mW, went to 300, 45 and ended up at 10mW.

My log now has SM6WQB, SP2RXG, Y03FLR, and F5M00.

All on 10M and all with 700mW.

Rig here is K2 # 702 and 2 ele quad antenna.

72's de Jim KJ5TF

=====

<http://www.madisoncounty.net/~kj5tf/>
Milliwatting Editor ARCI QRP Quarterly
Join/renew membership QRP Amateur Radio Club International
<http://www.qrparci.org/arcijoin.html>
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
Private email kj5tf@madisoncounty.net

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Wed, 22 Mar 2000 10:42:25 -0600
From: "Jay Bromley" <w5jay@alltel.net>
To: <na6e@qsl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [66293] Re: tubes
Message-ID: <016901bf941d\$9b941980\$309b66a6@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mary try this link, hope it helps-----73 de w5jay..

<http://www.tubesandmore.com/>

> I'm having a problem finding a 9006 vacuum tube to go into my VTVM. Does
> anyone have any suggestions or happen to have one sitting around? I
really
> miss my meter :)
>
> ***73***
> Mary, NA6E
> QRP Quarterly Editor
> Sacramento, CA
> QRP-C #7 QRP-ARCI #9923 WHINER'S #2
>
>
>

Date: Wed, 22 Mar 2000 12:03:00 -0500 (EST)
From: mulveyr@iname.com
To: wb5rue@stic.net
Cc: qrp-l@lehigh.edu
Subject: [66294] Re: My first kit....most memorable
Message-ID: <200003221703.MAA23574@mulvey.dyndns.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

[Charset iso-8859-1 unsupported, filtering to ASCII...]

> My first "kit" was one of those "perf-board" no-solder kits from Radio
> Shack. You remember, the ones on the little red boxes. It was a one-tube
> radio. It ran off of two D-cell 1.5 volt batteries and one A-cell 45 volt
> battery. It ATE those batteries. I wish I still had it. My first "real"
> kit was a Poly-Paks digital clock.

I had a couple of those Radio Shack kits - and could NEVER
get any of them to work. (I honestly couldn't tell you which
ones I had, since they've been at the dump for years now.)
I also had one of their crystal radios with the spring-clip
connectors, which did work, since no soldering was required.

My skills must have improved since then, as I've built
almost every Norcal kit (and just finished a K2!) with great
success. Heck, the NC-40 was my first kit after I
got into amateur radio, so I suppose I'll count that as my *real*
first one. :-)

- Rich

Date: Wed, 22 Mar 2000 11:13:54 -0600
From: Michael Melland <badger@vbe.com>
To: qrp-l@lehigh.edu
Subject: [66295] RE: LDG QRP tuners
Message-ID: <38D8FF52.2A3F182E@vbe.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wow ! Sure are lots of you out there loving your LDG tuners ! Thanks
everyone for the overwhelmingly positive feedback !

I ordered the standard LDG QRP tuner this morning. Most of my operating
is "close" to my camper so I can always recharge my batteries <grin> if
needed. Perhaps if I take up serious wilderness battery operation the
Z-11 would have been better, but for my needs now it looked like the
standard model would be the best choice for me now. I was told that
the current drain once tuned of the standard version is about 10 ma
which is still very low. The current while achieving a tune is
identical on both versions. The Z-11 can be actually turned off and
drain is then .008 ma or less while still connected to a battery.....
"0" for all practical purposes.

Thanks agn everyone es 73 de Mike Melland, W9WIS

Date: Wed, 22 Mar 2000 12:16:12 -0500
From: arrowhead1@characterlink.net (Ted Danchi)
To: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [66296] FS:Oak Hills Classic 2040
Message-ID: <38D8FFDC.D4D15F9E@characterlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm trying to trade for or buy a rig that I will use. I'm not using this rig because I need a really tiny and simple rig that I can set up, take down, store,

and pack REALLY easily. I'm spending almost all my \$\$ on my violin. I have VERY little cash. This is a nice rig, and works fine (and it was built by AA4XX--an added bonus). Right now, I'm stuck with a rig that doesn't fit my operating schedule and environment. ;-)

I've got more info if somebody wants it.

EMAIL ME DIRECTLY AT: arrowhead1@characterlink.net

Thanks!

--
Michael F. Danchi, KE4TSA
Violinist
"Guardian 7"

Date: Wed, 22 Mar 2000 10:22:58 -0500
From: Bob Kellogg <ae4ic@nr.infi.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [66297] Atlanticon
Message-ID: <38D8E551.4211D615@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Best wishes to all of you guys who will be attending Atlanticon!

I'm just turning green with envy at all of the fun you're going to

have, and I have to stay home! NEXT YEAR!!!!

The NJ guys have done a great job of planning an outstanding program. Not only will you get to see each other eyeball to eyeball, but you'll get to meet and talk to many of the guys who are making QRP so much fun for all of us!

Have a great week-end!

--

73,
Bob Kellogg, AE4IC, Greensboro, NC
Prolobly, not nececelery. - Benny Hill

Date: Tue, 21 Mar 2000 05:41 +0000
From: dashermhnja@earthlink.net
To: <qrp-l@Lehigh.EDU>
Subject: [66298] MobilePro 770
Message-ID: <200003221743.JAA07517@avocet.prod.itd.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone have experience writing code for Windows CE. I just got a NEC MobilePro770 and think it would be a good companion to take along with my QRP rig when I go on trips. I want to port over my logging and keyboard program and maybe use the IR port. Please respond direct. Thanks.

Mark - AD6GT

dashermhnja@earthlink.net

Date: Wed, 22 Mar 2000 12:19:02 -0600
From: Bcieslak@ra.rockwell.com
To: qrp-L@lehigh.edu
Subject: [66299] Hate to Ask
Message-ID: <0F0A67FAAF.8D0B955B-0N862568AA.006468D3@ra.rockwell.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Hi Thom or anyone else,

I've built up kits for several guys on the list who couldn't do it themselves for some reason or other, either diablilites or fear. I've built 38's, tuners and the like. I am embedded systems engineer so I do a lot of building of prototypes for work. I've completed Nasa and airforce soldering certification classes (tho a long time ago). I also have a few heatthkits under my belt but I didn't want to date myself.

Give me a holler if you decide not to tackle the job yourself. I like to build but really don't have a desire to own every rig made. (Did I say that? I knew I shouldn't have let the xyl take those hypnotism classes at the Y)..

Brian AE9k

Date: Wed, 22 Mar 2000 12:23:47 -0600
From: Fairbairn Bob-C12509 <C12509@NAmerica.mot.com>
To: "'baltimoremd@baltimoremd.com'" <baltimoremd@baltimoremd.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [66300] RE: Hate to Ask
Message-ID: <56BA1CBAF67BD3118BDF00805FE69F2C02830408@il06exm22.corp.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Go to the elecraft web site they have builders for hire

-----Original Message-----
From: baltimoremd@baltimoremd.com [mailto:baltimoremd@baltimoremd.com]
Sent: Wednesday, March 22, 2000 8:39 AM
To: Low Power Amateur Radio Discussion
Subject: Hate to Ask

Just wondering if there are any kit-builders on the list that do it for others? I'd like to have a K2, but sight problems and an inherited problem with fine motor control skills makes it a bit hairy.

The other alternative would be to buy one from someone that doesn't like the K2, but that's unlikely.

Please resond diretly, no need to clutter the list (g)

thanks
thom

../
baltimoremd@baltimoremd.com http://www.baltimoremd.com/
tlc@baltimorepress.com http://www.baltimorepress.com/

Thom LaCosta Webmaster

Baltimore - A link to The City - visit us for Postcards, Home Page
Registry and much more.
Baltimore Press - Smaller, Smarter, Better

Date: Wed, 22 Mar 2000 13:29:38 -0500
From: "Dieter \ (Diz\) Gentzow WB8QYY" <wb8qyy@cinci.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [66301] HB: 4.9152 crystal filters
Message-ID: <000501bf942c\$9508d880\$4f171d18@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Howdy folks,

I purchased 100 pieces of Mouser crystals #559-FOX049-20.
Am building 20 sets of bandpass filters, of which I only need 4 sets.
The rest are up for grabs at my cost ONLY. I will grade and match the xtals
in sets of 5 with no more than 25 Hz deviation. Anyone interested in some
of
these, please email me private.

TNX

73 & "oo's" - Dieter (DIZ) Gentzow - WB8QYY
Loveland, Ohio (Clermont County - EM79ug) - near Cincinnati; 39.218N -
84.305W
SOC#8 FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493
http://home.cinci.rr.com/wb8qyy

Date: Wed, 22 Mar 2000 13:33:29 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: mulveyr@iname.com
Cc: Nancy Parker <nancy.parker@anshen.com>, Debbie Ellman <debellman@juno.com>,
Sara Carey <sjcarey1@aol.com>,

Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [66302] Re: My first kit....most memorable
Message-ID: <Pine.3.89.10003221339.C26191-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

First ham kit was a Heath AR-2 receiver built in 1955. It had to be set on a very solid table and handled gingerly since it was very microphonic. If you put your elbow down too hard on the table, you would loose the signal you were listening to. Five tube superhet as I remember, in a cloth covered wood cabinet.

Art, where are you. Tell 'em about that old AT-1 and antenna tuner from Heath!

Along same notes, my mother taught me the code when I was fifteen by tapping it out on a handkey. She never learned it, but as things turned out, was responsible for getting me where I am today in both hobby and work. She passed away at 87 about three weeks ago. My three sisters and I gathered in Key West for a personal service (scattered her ashes in the Gulf). While out on the boat, I told them about her teaching me the code and they were fascinated. Later, I logged on my website and showed them the QSL card that Art, W1FJI had returned to me a few months ago. It was for a contact between WN1FJI and WN1GIV (me) in September of 1955. Back then, I took several bicycle rides from Wareham to New Bedford, MA to visit Art at his Heathkit appointed ham shack.

Sorry to get carried away, but the weekend and the old memories are still very much on my mind...

73,

Bob Patten, N4BP (0 0) Plantation, FL
-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://www.qsl.net/n4bp>
Brass Pounder BBS: (954) 472-7715
SOC #1Whiners #6

Date: Wed, 22 Mar 2000 12:57:37 -0600
From: "Mark Hogan" <mhogan@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [66303] Re: My first kit....most memorable
Message-ID: <00f901bf9430\$7eb1dd30\$9ee90181@cityweb.gov>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Mine would have had to be the crystal radio on that TP tube.
It lead to a intercom strung across the road to the neighbors house.
Ok then that truck came by...
Good thing bell wire was expendable.
32 years later I'm having fun building stuff.
Got N0TU on 30m last night with my 38s, good enough for my 1000mpw
award.
Mark Hogan N50BC
SST-40 / 38s Speed-X Bug
NC-20 / FT847 NorCal Keyer
Zombie 660, SOC 185, G-QRP 4972, all that junk...

Build em and have fun.

Date: Wed, 22 Mar 2000 10:44:06 -0800
From: "Arthur G. Silvers" <ags@ieee.org>
To: qrp-l@Lehigh.EDU
Subject: [66304] Re: My first kit....most memorable
Message-ID: <38D91476.2FC10FF7@ieee.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

It was a Heath DX-20 which I built in August, 1957. Saved money I made mowing lawns for the purchase. I knew Ohms law at the time but that was about it. Had absolutely no test equipment but I did have a Weller Jr. soldering gun which I received for my b-day. It went together just fine but for a solder bridge in the tank circuit. Couldn't find it. Nor could my Elmer, W2ADC (SK), who was a commercial artist by trade so that's O.K. So back to Benton Harbor for debugging.

Used a 40 mtr sloping dipole up 16 ft at one end and 10 at the other. Worked a bunch of states and all over the metropolitan New York area from the south shore of Long Island. What great fun it was during my novice days. 50 watts input to a 6DQ6A. How did I ever remember that designation? Oscillator was a 6CL6 or something.

Sorry I no longer have that memorable rig. Still have the Weller Jr. though.

72

Arth W6AGS

Date: Wed, 22 Mar 2000 12:51:08 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: qrp-l@lehigh.edu
Subject: [66305] Re: tubes
Message-ID: <200003221951.MAA11095@rgfn.epcc.edu>

also Fair Radio at: <http://www.fairradio.com>
has tubes and may well have the 9006 listed.
g1 and 73
Ray

--
"The more I see of the representatives of the people, the more I
admire my dogs." letter from Count d'Orsay to John Foster 1850
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2 SOC#78
El Paso, (FAR WEST) TEXAS

Date: Wed, 22 Mar 2000 13:17:09 -0700
From: Roger Hightower <n7kt@worldnet.att.net>
To: ELECRAFT <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>
Subject: [66306] Keycaps & LED's - Last list
Message-ID: <38D92A45.E5A9287A@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here is the list of the last of those requesting the components. The
two previous lists are to be found in the e-mail archives at
<http://www.elecrafft.com>

W7WJ
EA8YU
W1HYV
WB2DHK
WK8S
EA2SN
W4FSA
K6KED

W2RBN
W8GQ
KG9H

If you ordered _more than_ two sets, pse include \$2.00 with your SASE.
For only one or two sets, don't worry about it.

For everyone, if I don't get the SASE you don't get the parts. Send it to:

Roger Hightower, N7KT
1265 W. Kiowa Circle
Mesa, AZ 85202

The parts have been ordered from Mouser and Digikey to be shipped Priority Mail to me, so I hope to start sending them out by Monday, 3/27.

--

72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591 SOC #14

Date: Wed, 22 Mar 2000 15:29:11 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [66307] Question about windings on the FB-40
Message-ID: <a2.20e60d7.260a8717@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,
I need some help here.
I received the NJ FB-40 Kit today and was reading the instructions.
Bi-filar wound.
I know what this is but my question is when I twist the 2 wires together, how many turns per inch?
The instructions say to chuck one end of the 2 wires into a vice and with a twist drill, twist them together.
I can twist them so I have 1 twist per inch or as many as 7 twist per inch.
How critical is
this?=====The NJ QRP
CLUB did a beautiful job on this little kit.
The board is a master piece and all the parts are well marked.
I ordered mine with the 1.5 AMP and the TICK chip.
\$27.00 shipped.

You can't beat that.
I have all the jacks,box,etc but holding off untill I get some input on my question above.
Many thanks in advance.
Bob
WA2HOQrp <tm>

Date: Wed, 22 Mar 2000 15:20:42 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Bruce Muscolino <w6toy@erols.com>
Cc: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [66308] Re: antenna project
Message-ID: <Pine.LNX.3.95.1000322151053.766A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...picture this.....Bruce and Bonnie on a visit to Toronto....they're walking by the CN Tower in the south end of the city....
...Bruce looks up and says...."I think I can resonate that!"....
...Bonnie says quietly, "Honey did you take your meds today?"....
....hambly, the Scribe.

Well the older I get Bruce, the "more worse" I get....HI HI....I'm always looking around, no matter where I go, and be it metal of any sort, I say to my self "I think I can resonate that!"....HI HI.....take care.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Wed, 22 Mar 2000 16:29:13 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: <RangerSF5@aol.com>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [66309] Re: Question about windings on the FB-40
Message-ID: <00f201bf9445\$acb8a6e0\$1259accf@ire.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Actually, it's better to wind the bifilar wires rather on the loose side, say 1-2 turns per inch would be good. Some experts even suggest just a loosely-wound set of wires done by hand would be best. Overall, it's not too critical.

Good luck,

73, George N2APB

----- Original Message -----

From: <RangerSF5@aol.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Wednesday, March 22, 2000 3:29 PM

Subject: Question about windings on the FB-40

Hi Gang,

I need some help here.

I received the NJ FB-40 Kit today and was reading the instructions.

Bi-filar wound.

I know what this is but my question is when I twist the 2 wires together, how many turns per inch?

The instructions say to chuck one end of the 2 wires into a vice and with a twist drill, twist them together.

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I have all the jacks, box, etc but holding off untill I get some input on my question above.

Many thanks in advance.

Bob

WA2HQrp <tm>

Date: Wed, 22 Mar 2000 17:17:00 -0500

From: "Franco, Nicholas J" <franco@bnl.gov>

To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>

Subject: [66310] FOX: THANKS TO ALL

Message-ID: <698DB793D712D31180B600902746422DFB463C@exchange01.bnl.gov>

MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1252"

As our official winter FoxHunt season ends for this year, I just want to give a big Thank You to Paul for running everything, the rules, the web site, the schedules, the logs, the prize lists, etc. etc. etc. etc - the endless hours of stuff involved in bringing us a fun event each year.

I also want to say Thank You to Bruce for tracking all the Team records for the season. He puts in a big effort to give us a fun event within our fun event.

Of course it would not be possible without Chuck Adams coming up with the original idea and running the first few hunting seasons. Thanks Chuck.

And we would have the FoxHunt at all if you all didn't want to play so badly. So thanks to QRP-L in its entirety for the foxes and hounds that diligently man the radios and keep our great niche of the hobby going in full force.

I like the idea someone had recently for a 20m Summer FoxHunt. I would love to give my new DSW-20 a workout in Fox style. Whoever you are - pursue the idea and make it happen. I'm sure many will play even if you didn't get too much feedback on the original posting (I didn't see anyone reply to the list about it including me and I'm all for it).

Have a great night gang.

Nick - kf2ph . . .
QRP-L # 13

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Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY
Systems Administrator Collider-Accelerator Department
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-2833 Ham Call: KF2PH
<mailto:nickf@bnl.gov> <http://www.rhichome.bnl.gov/People/franco>

End of QRP-L Digest 1768

